

The demand must be filed directly with the competent International Preliminary Examining Authority or, if two or more Authorities are competent, with the one chosen by the applicant. The full name or two-letter code of that Authority may be indicated by the applicant on the line below:

IPEA/ SE

# PCT

## CHAPTER II

### DEMAND

under Article 31 of the Patent Cooperation Treaty:

The undersigned requests that the international application specified below be the subject of international preliminary examination according to the Patent Cooperation Treaty and hereby elects all eligible States (except where otherwise indicated).

For International Preliminary Examining Authority use only

Identification of IPEA		Date of receipt of DEMAND
<b>Box No. I IDENTIFICATION OF THE INTERNATIONAL APPLICATION</b>		Applicant's or agent's file reference VAL 199 PCT
International application No. PCT/FI 99/00563	International filing date (day/month/year) 24 June 1999 (24.06.99)	(Earliest) Priority date (day/month/year) 25 June 1998 (25.06.98)
Title of invention Method and arrangement for calendering paper and board		
<b>Box No. II APPLICANT(S)</b>		
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)  VALMET CORPORATION Fabianinkatu 9 A FIN-00130 Helsinki Finland		Telephone No.:  Facsimile No.:  Teleprinter No.:
State (that is, country) of nationality: Finland	State (that is, country) of residence: Finland	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)  KYTÖNEN, Pauli Kuikantie 3 FIN-04320 Riihikallio Finland		
State (that is, country) of nationality: Finland	State (that is, country) of residence: Finland	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)  TANI, Mikko Mikkolantie 4 C 11 FIN-04300 Tuusula Finland		
State (that is, country) of nationality: Finland	State (that is, country) of residence: Finland	
<input type="checkbox"/> Further applicants are indicated on a continuation sheet.		

**Box No. III AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE**The following person is ☒ agent ☐ common representativeand ☒ has been appointed earlier and represents the applicant(s) also for international preliminary examination.☐ is hereby appointed and any earlier appointment of (an) agent(s)/common representative is hereby revoked.☐ is hereby appointed, specifically for the procedure before the International Preliminary Examining Authority, in addition to the agent(s)/common representative appointed earlier.Name and address: *(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)*SEPPO LAINE OY  
Itämerenkatu 3 B  
FIN-00180 Helsinki  
Finland

Telephone No.:

+358-9-68 59 560

Facsimile No.:

+358-9-68 595 610

Teleprinter No.:

☐ Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.**Box No. IV BASIS FOR INTERNATIONAL PRELIMINARY EXAMINATION****Statement concerning amendments:\***

1. The applicant wishes the international preliminary examination to start on the basis of:

☒ the international application as originally filedthe description ☐ as originally filed  
☐ as amended under Article 34the claims ☐ as originally filed  
☐ as amended under Article 19 (together with any accompanying statement)  
☐ as amended under Article 34the drawings ☐ as originally filed  
☐ as amended under Article 342. ☐ The applicant wishes any amendment to the claims under Article 19 to be considered as reversed.3. ☐ The applicant wishes the start of the international preliminary examination to be postponed until the expiration of 20 months from the priority date unless the International Preliminary Examining Authority receives a copy of any amendments made under Article 19 or a notice from the applicant that he does not wish to make such amendments (Rule 69.1(d)). *(This check-box may be marked only where the time limit under Article 19 has not yet expired.)*

\* Where no check-box is marked, international preliminary examination will start on the basis of the international application as originally filed or, where a copy of amendments to the claims under Article 19 and/or amendments of the international application under Article 34 are received by the International Preliminary Examining Authority before it has begun to draw up a written opinion or the international preliminary examination report, as so amended.

Language for the purposes of international preliminary examination: English☒ which is the language in which the international application was filed.☐ which is the language of a translation furnished for the purposes of international search.☐ which is the language of publication of the international application.☐ which is the language of the translation (to be) furnished for the purposes of international preliminary examination.**Box No. V ELECTION OF STATES**The applicant hereby elects all eligible States *(that is, all States which have been designated and which are bound by Chapter II of the PCT)*

excluding the following States which the applicant wishes not to elect:

## Box No. VI CHECK LIST

The demand is accompanied by the following elements, in the language referred to in Box No. IV, for the purposes of international preliminary examination:

- |  |   |        |
|--|---|--------|
| 1. translation of international application                              | : | sheets |
| 2. amendments under Article 34   | : | sheets |
| 3. copy (or, where required, translation) of amendments under Article 19 | : | sheets |
| 4. copy (or, where required, translation) of statement under Article 19  | : | sheets |
| 5. letter  | : | sheets |
| 6. other ( <i>specify</i> )  | : | sheets |

For International Preliminary Examining Authority use only

received                      not received

<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

The demand is also accompanied by the item(s) marked below:

- |  |   |
|--|---|
| 1. <input checked="" type="checkbox"/> fee calculation sheet                             | 4. <input type="checkbox"/> statement explaining lack of signature                                  |
| 2. <input type="checkbox"/> separate signed power of attorney                            | 5. <input type="checkbox"/> nucleotide and or amino acid sequence listing in computer readable form |
| 3. <input type="checkbox"/> copy of general power of attorney; reference number, if any: | 6. <input type="checkbox"/> other ( <i>specify</i> ):   |

## Box No. VII SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the demand).

For the Applicants

Seppo Laine Oy

Simo Hovi

For International Preliminary Examining Authority use only

1. Date of actual receipt of DEMAND:

2. Adjusted date of receipt of demand due to CORRECTIONS under Rule 60.1(b):

3. ☐ The date of receipt of the demand is AFTER the expiration of 19 months from the priority date and item 4 or 5, below, does not apply.

☐ The applicant has been informed accordingly.

4. ☐ The date of receipt of the demand is WITHIN the period of 19 months from the priority date as extended by virtue of Rule 80.5.

5. ☐ Although the date of receipt of the demand is after the expiration of 19 months from the priority date, the delay in arrival is EXCUSED pursuant to Rule 82.

For International Bureau use only

Demand received from IPEA on:

## PCT COOPERATION TREATY

PCT

## NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Assistant Commissioner for Patents  
 United States Patent and Trademark  
 Office  
 Box PCT  
 Washington, D.C.20231  
 ÉTATS-UNIS D'AMÉRIQUE

in its capacity as elected Office

<b>Date of mailing</b> (day/month/year) 13 March 2000 (13.03.00)	
<b>International application No.</b> PCT/FI99/00563	<b>Applicant's or agent's file reference</b> VAL 199 PCT
<b>International filing date</b> (day/month/year) 24 June 1999 (24.06.99)	<b>Priority date</b> (day/month/year) 25 June 1998 (25.06.98)
<b>Applicant</b> KYTÖNEN, Pauli et al	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:

14 January 2000 (14.01.00)

☐ in a notice effecting later election filed with the International Bureau on:2. The election ☒ was☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland  Facsimile No.: (41-22) 740.14.35	Authorized officer  C. Cupello  Telephone No.: (41-22) 338.83.38
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## PATENT COOPERATION TREATY

PCT

NOTIFICATION OF THE RECORDING  
OF A CHANGE(PCT Rule 92bis.1 and  
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

SEPPO LAINE OY  
Itämerenkatu 3 B  
FIN-00180 Helsinki  
FINLANDE

Date of mailing (day/month/year) 13 March 2000 (13.03.00)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference VAL 199 PCT	
International application No. PCT/FI99/00563	International filing date (day/month/year) 24 June 1999 (24.06.99)

1. The following indications appeared on record concerning:		
<input checked="" type="checkbox"/> the applicant	<input type="checkbox"/> the inventor	<input type="checkbox"/> the agent <input type="checkbox"/> the common representative
Name and Address VALMET CORPORATION Panuntie 6 FIN-00620 Helsinki Finland	State of Nationality FI	State of Residence FI
	Telephone No. +	
	Facsimile No.	
	Teleprinter No.	
2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:		
<input type="checkbox"/> the person	<input type="checkbox"/> the name	<input checked="" type="checkbox"/> the address <input type="checkbox"/> the nationality <input type="checkbox"/> the residence
Name and Address VALMET CORPORATION Fabianinkatu 9 A FIN-00130 Helsinki Finland	State of Nationality FI	State of Residence FI
	Telephone No.	
	Facsimile No.	
	Teleprinter No.	
3. Further observations, if necessary:		
4. A copy of this notification has been sent to:		
<input checked="" type="checkbox"/> the receiving Office	<input type="checkbox"/> the designated Offices concerned	
<input type="checkbox"/> the International Searching Authority	<input checked="" type="checkbox"/> the elected Offices concerned	
<input checked="" type="checkbox"/> the International Preliminary Examining Authority	<input type="checkbox"/> other:	

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer C. Cupello
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38

## PATENT COOPERATION TREATY

PCT

09/720550

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference VAL 199 PCT	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)
International application No. PCT/FI99/00563	International filing date (day/month/year) 24.06.1999	Priority date (day/month/year) 25.06.1998
International Patent Classification (IPC) or national classification and IPC <sup>7</sup> D 21 G 1/00, D 21 H 19/00		
Applicant Valmet Corporation et al		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of <u>5</u> sheets, including this cover sheet.  <input type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).  These annexes consist of a total of _____ sheets.
3. This report contains indications relating to the following items:  I <input checked="" type="checkbox"/> Basis of the report II <input type="checkbox"/> Priority III <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability IV <input type="checkbox"/> Lack of unity of invention V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement VI <input type="checkbox"/> Certain documents cited VII <input type="checkbox"/> Certain defects in the international application VIII <input type="checkbox"/> Certain observations on the international application

Date of submission of the demand  14.01.2000	Date of completion of this report  01.11.2000
Name and mailing address of the IPEA/SE Patent- och registreringsverket Box 5055 S-102 42 STOCKHOLM Facsimile No. 08-667 72 88	Authorized officer  Helena Hemphälä/ELY Telephone No. 08-782 25 00

Form PCT/IPEA/409 (cover sheet) (January 1998)

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/FI99/00563

## I. Basis of the report

## 1. With regard to the elements of the international application:\*

- ☒ the international application as originally filed
- ☐ the description:  
pages \_\_\_\_\_, as originally filed  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☐ the claims:  
pages \_\_\_\_\_, as originally filed  
pages \_\_\_\_\_, as amended (together with any statement) under article 19  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☐ the drawings:  
pages \_\_\_\_\_, as originally filed  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☐ the sequence listing part of the description:  
pages \_\_\_\_\_, as originally filed  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_

## 2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language english which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☒ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

## 3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheet/fig \_\_\_\_\_

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2 (c)).\*\*

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

\*\* Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/FI99/00563

**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement****1. Statement**

Novelty (N)	Claims	<u>1-13</u>	YES
	Claims		NO
Inventive step (IS)	Claims		YES
	Claims	<u>1-13</u>	NO
Industrial applicability (IA)	Claims	<u>1-13</u>	YES
	Claims		NO

**2. Citations and explanations (Rule 70.7)**

This report is based on claims as originally filed.

The claimed invention relates to a method and an arrangement for calendering coated grades of paper or board. A long-nip calender first calenders the paper or board, after coating the material is calendered again by a calender with a short nip.

The purpose of the invention is explained in the context of board manufacture. The board consists of crossing fibres, which can hardly move at all in relation to each other. Uncoated board requires longer treatment times and higher thermomechanical stress before permanent deformations of the fibres are achieved. The coating layer, on the other hand, moves fairly easy when compared to the fibres and shorter treatment times can be used.

The following documents are cited in the International Search Report:

D1: WO, A1, 9628609  
D2: US, A, 5163364  
D3: US, A, 5582689  
D4: US, A, 5483873  
D5: WO, A1, 9534715  
D6: WO, A1, 9713035

.../...



## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/FI99/00563

**Supplemental Box**

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: V.

Document D1 (abstract) discloses a coated paperboard, which is calendered by a long-nip calender after coating. Reference is also made to already known technique that performs calendering both before and after coating by calenders with short nips (page 2, line 27-28). It is also stated by D1 that precalendering before coating may be performed with any type of calender (page 5, line 14-18). Thus, document D1 describes a wide range of possibilities of how a paperboard can be calendered before and after coating by different types of calenders and compares this with their method and results. It is also mentioned that the uniformity of the coated surface is better when calendered before coating and after.

D1 shows how different types of calender can be used before and after the coating of a paperboard. Even though the method taught and preferred in D1 is to have an extended nip calender after coating without precalendering, and even though precalendering is taught to cause a loss of bulk; D1 also mentions circumstances when precalendering is preferred in order to get better surface properties. The claimed invention on the other hand has a long-nip calender before coating and a short nip after coating. However, the claimed method or arrangement is not compared with other methods nor exemplified in any way in order to show that the claimed method provides improved printing properties in combination with a small loss of bulk. The support should be of a technical character; vague statements or assertions having no technical content provide no basis. The invention is therefore only considered to constitute a selection of one of the various possible combinations described in D1, and no new and surprising effect is demonstrated nor exemplified. Therefore, the invention according to claims 1 and 9 is considered to lack inventive step.

The following documents are state of the art documents: D2 discloses an example of a long-nip calender. D3 discloses a calender with the shoe calender divided into two individually adjusted loading elements. D4 discloses an example of how a roll in a calender nip is heated so as to plasticize the surface layer of the paper. D5 shows average pressure forces in an extended calender nip. D6 discloses methods with calendering before and after coating.

The invention according to the claims 2-8 and 10-13 is considered to merely express routine techniques or forms of executions.

.../...

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/FI99/00563

**Supplemental B x**

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: V.

The invention according to claim 1-13 is novel, but is not considered to involve an inventive step in view of the above reasoning. The criterion of industrial applicability is fulfilled.

## PCT REQUEST

VAL 199 PCT

Original (for SUBMISSION) - printed on 24.06.1999 02:29:18 PM

0	For receiving Office use only	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	Form - PCT/RO/101 PCT Request	
0-4-1	Prepared using	PCT-EASY Version 2.84 (updated 01.06.1999)
0-5	Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	National Board of Patents and Registration (Finland) (RO/FI)
0-7	Applicant's or agent's file reference	VAL 199 PCT
I	Title of invention	METHOD AND ARRANGEMENT FOR CALENDERING PAPER AND BOARD
II	Applicant	
II-1	This person is:	applicant only
II-2	Applicant for	all designated States except US
II-4	Name	VALMET CORPORATION
II-5	Address:	Panuntie 6 FIN-00620 Helsinki Finland
II-6	State of nationality	FI
II-7	State of residence	FI
II-8	Telephone No.	+358-9-777051
II-9	Facsimile No.	+358-9-77705580
III-1	Applicant and/or inventor	
III-1-1	This person is:	applicant and inventor
III-1-2	Applicant for	US only
III-1-4	Name (LAST, First)	KYTÖNEN, Pauli
III-1-5	Address:	Kuikantie 3 FIN-04320 Riihikallio Finland
III-1-6	State of nationality	FI
III-1-7	State of residence	FI

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## PCT REQUEST

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III-2	<b>Applicant and/ r Inventor</b>	<b>applicant and inventor</b> <b>US only</b> <b>TANI, Mikko</b> <b>Mikkolantie 4 C 11</b> <b>FIN-04300 Tuusula</b> <b>Finland</b> <b>FI</b> <b>FI</b>
III-2-1	This person is:	
III-2-2	Applicant for	
III-2-4	Name (LAST, First)	
III-2-5	Address:	
III-2-6	State of nationality	
III-2-7	State of residence	
IV-1	<b>Agent or common representative; or address for correspondence</b> The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	<b>agent</b>  <b>SEPPO LAINE OY</b> <b>Itämerenkatu 3 B</b> <b>FIN-00180 Helsinki</b> <b>Finland</b> <b>+358-9-68 59 560</b> <b>+358-9-68 595 610</b> <b>seppo.laine@selpat.fi</b>
IV-1-1	Name	
IV-1-2	Address:	
IV-1-3	Telephone No.	
IV-1-4	Facsimile No.	
IV-1-5	e-mail	
V	<b>Designation of States</b>	<b>AP: GH GM KE LS MW SD SL SZ UG ZW and</b> <b>any other State which is a Contracting</b> <b>State of the Harare Protocol and of th</b> <b>PCT</b> <b>EA: AM AZ BY KG KZ MD RU TJ TM and any</b> <b>other State which is a Contracting State</b> <b>of the Eurasian Patent Convention and of</b> <b>the PCT</b> <b>EP: AT BE CH&amp;LI CY DE DK ES FI FR GB GR</b> <b>IE IT LU MC NL PT SE and any other State</b> <b>which is a Contracting State of the</b> <b>European Patent Convention and of the</b> <b>PCT</b> <b>OA: BF BJ CF CG CI CM GA GN GW ML MR NE</b> <b>SN TD TG and any other State which is a</b> <b>member State of OAPI and a Contracting</b> <b>State of the PCT</b>
V-1	Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	
V-2	National Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	
		<b>AE AL AM AT AU AZ BA BB BG BR BY CA</b> <b>CH&amp;LI CN CU CZ DE DK EE ES FI GB GD GE</b> <b>GH GM HR HU ID IL IN IS JP KE KG KP KR</b> <b>KZ LC LK LR LS LT LU LV MD MG MK MN MW</b> <b>MX NO NZ PL PT RO RU SD SE SG SI SK SL</b> <b>TJ TM TR TT UA UG US UZ VN YU ZA ZW</b>

## PCT REQUEST

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<b>V-5</b>	<b>Precautionary Designation Statement</b> In addition to the designations made under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except any designation(s) of the State(s) indicated under item V-6 below. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit.	
<b>V-6</b>	<b>Exclusion(s) from precautionary designations</b>	<b>NONE</b>
<b>VI-1</b>	<b>Priority claim of earlier national application</b>	
VI-1-1	Filing date	<b>25 June 1998 (25.06.1998)</b>
VI-1-2	Number	<b>981467</b>
VI-1-3	Country	<b>FI</b>
<b>VI-2</b>	<b>Priority document request</b> The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	<b>VI-1</b>
<b>VII-1</b>	<b>International Searching Authority Chosen</b>	<b>Swedish Patent Office (ISA/SE)</b>
<b>VIII</b>	<b>Check list</b>	<b>number of sheets</b> <b>electronic file(s) attached</b>
VIII-1	Request	<b>4</b> -
VIII-2	Description	<b>8</b> -
VIII-3	Claims	<b>3</b> -
VIII-4	Abstract	<b>1</b> <b>val199pct.txt</b>
VIII-5	Drawings	<b>0</b> -
VIII-7	<b>TOTAL</b>	<b>16</b>
	<b>Accompanying items</b>	<b>paper document(s) attached</b> <b>electronic file(s) attached</b>
VIII-8	Fee calculation sheet	✓      -
VIII-9	Separate signed power of attorney	✓      -
VIII-16	PCT-EASY diskette	- <b>diskette</b>
VIII-17	Other (specified):	<b>Copy of official action</b> -
<b>VIII-18</b>	<b>Figure of the drawings which should accompany the abstract</b>	
<b>VIII-19</b>	<b>Language of filing of the international application</b>	<b>English</b>
<b>IX-1</b>	<b>Signature of applicant or agent</b>	
IX-1-1	Name	<b>SEPPO LAINE OY</b>
IX-1-2	Name of signatory	<b>Simo Hovi</b>

## FOR RECEIVING OFFICE USE ONLY

<b>10-1</b>	<b>Date of actual receipt of the purport of international application</b>	
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**PCT REQUEST**

VAL 199 PCT

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10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/ SE
10-6	Transmittal of search copy delayed until search fee is paid	

**FOR INTERNATIONAL BUREAU USE ONLY**

11-1	Date of receipt of the record copy by the International Bureau	
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**FOR THE PURPOSES OF INFORMATION ONLY**

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
AM	Armenia	FI	Finland	LT	Lithuania	SK	Slovakia
AT	Austria	FR	France	LU	Luxembourg	SN	Senegal
AU	Australia	GA	Gabon	LV	Latvia	SZ	Swaziland
AZ	Azerbaijan	GB	United Kingdom	MC	Monaco	TD	Chad
BA	Bosnia and Herzegovina	GE	Georgia	MD	Republic of Moldova	TG	Togo
BB	Barbados	GH	Ghana	MG	Madagascar	TJ	Tajikistan
BE	Belgium	GN	Guinea	MK	The former Yugoslav Republic of Macedonia	TM	Turkmenistan
BF	Burkina Faso	GR	Greece	ML	Mali	TR	Turkey
BG	Bulgaria	HU	Hungary	MN	Mongolia	TT	Trinidad and Tobago
BJ	Benin	IE	Ireland	MR	Mauritania	UA	Ukraine
BR	Brazil	IL	Israel	MW	Malawi	UG	Uganda
BY	Belarus	IS	Iceland	MX	Mexico	US	United States of America
CA	Canada	IT	Italy	NE	Niger	UZ	Uzbekistan
CF	Central African Republic	JP	Japan	NL	Netherlands	VN	Viet Nam
CG	Congo	KE	Kenya	NO	Norway	YU	Yugoslavia
CH	Switzerland	KG	Kyrgyzstan	NZ	New Zealand	ZW	Zimbabwe
CI	Côte d'Ivoire	KP	Democratic People's Republic of Korea	PL	Poland		
CM	Cameroon	KR	Republic of Korea	PT	Portugal		
CN	China	KZ	Kazakstan	RO	Romania		
CU	Cuba	LC	Saint Lucia	RU	Russian Federation		
CZ	Czech Republic	LI	Liechtenstein	SD	Sudan		
DE	Germany	LK	Sri Lanka	SE	Sweden		
DK	Denmark	LR	Liberia	SG	Singapore		
EE	Estonia						